

Heating of Bodies at (Cont.)

SOV/5897

cases. The initial data for the sample numerical computations and the graphs are arbitrary. The author thanks N. A. Kheyfets, Doctor of Technical Sciences, S. A. Povitskiy, Candidate of Technical Sciences, V. S. Avduyevskiy, Docent, Candidate of Technical Sciences, and I. I. Drakin, Candidate of Technical Sciences. There are 35 references: 30 Soviet and 5 English.

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Card 5/6

Heating of Bodies at (Cont.)

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Bibliography

105

AVAILABLE: Library of Congress

SUBJECT: Aerospace

Card 6/6

IS/wrc/jw  
3/5/62

L 17006-66 EWT(d)/EWP(1) IJP(c) GS/BC

ACC NR: AT6003571

SOURCE CODE: UR/0000/65/000/000/0148/0179

AUTHOR: Bukreyev, V. Z.

ORG: none

TITLE: Determination of the optimum control processes for winged flying craft taking inequality type limitations into account

SOURCE: Issledovaniya po dinamike poleta (Research on flight dynamics), no. 1. Moscow, Izd-vo Mashinostroyeniye, 1965, 148-179

TOPIC TAGS: optimal control, aircraft, aerodynamic heating, algorithm, mathematic analysis, supersonic aircraft

ABSTRACT: This article deals with the problem of the determination of the optimal control process from the condition of maximum range on the passive stage in the movement of a supersonic winged flying craft, with aerodynamic heating taken into account. The limitations on the controls and phase coordinates of the craft are considered in the form of inequalities of the type  $L_{\beta_a} \leq l \leq L_{\beta_b}$ . They lead to a non-classical formulation of the

Card 1/2

UDC: 629.19.04.005

L 17006-66

ACC NR: AT6003571

variation problem; however, by using a series of configurations the classical variation method can be applied to problems of this type. Such techniques include: the direct study of the variations, the mapping of the closed region of change of the control parameters and phase coordinates on an open region through the introduction of auxiliary equations, and the Pontryagin maximum principle. A solution algorithm is constructed using a concrete problem as an example by the method of opening the region through the introduction of auxiliary expressions. In addition to the first necessary conditions for the steady state of the initial functional, this algorithm contains all the necessary and sufficient conditions for a strong relative maximum (minimum). The first necessary condition for the extremum of the functional under consideration is treated in detail and the fundamental working hypotheses are outlined. The necessary and sufficient conditions for the existence of an extremum are considered and the necessary Weyerstrass and Jakobi conditions are discussed. Orig. art. has: 168 formulas.

SUB CODE: 01, 12, 20 / SUBM DATE: 02Aug65 / ORIG REF: 009 / OTH REF: 001

Card 2/2 5/195

BUKREYEV, Ye.; DENISOV, V.

New methods for regulating traffic. Zhil.-kom.khoz. 6 no.7:  
28-29 '56. (MLRA 10:2)

1. Nauchnyy sotrudnik Akademii kommunal'nogo khozyaystva.  
(United States--Traffic engineering)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

BUKREYEV, Ye.; DENISOV, V.

Street marking machinery. Zhil.-kom. khoz. 8 no. 6:29-30 '58.  
(MIRA 11:?)  
(Road markings)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

BUKREYEV, Ye.D., brigadir

Method for assembling pipelines in closed tunnels. Mats. i izobr.  
predl. v stroi. no. 7:114-115 '58. (MIRA 11:12)  
(Pipelines)

L 06532-67 EWT(m)/EWP(t)/ETI IJP(c) JD/WW/JG

ACC NR: AP7000474

SOURCE CODE: UR/0089/66/020/004/0346/0346

LEBEDEV, V. A., NICHKOV, N. F., RASPOPIN, S. P. and BUKREYEV, YU. F.

"Determination of Uranium Solubility in Bismuth by the EMF Method"

Moscow, Atomnaya Energiya, Vol 20, No 4, 1966, p 346

Abstract: Results are presented of the study of the solubility of uranium in bismuth in the 400-800°C range by the EMF method. The results obtained are in excellent agreement with those obtained by the high temperature filtration method. The liquidus line can be represented approximately by two straight lines whose equations have the form:

$$\lg C_U (\text{wt \%}) = 2.480 - \frac{2160}{T, ^\circ K} \quad (400-480^\circ C);$$

$$\lg C_U (\text{wt \%}) = 3.354 - \frac{2810}{T, ^\circ K} \quad (480-800^\circ C).$$

The break and increased slope of the liquidus line are observed at 480°C. The deviation from experimental values of solubility does not exceed 3%.

Card 1/2

UDC: 541.135

L 06532-67

ACC NR: AP7000474

The use of different alkaline metal chloride melts as well as their mixtures, as electrolytes permitted the authors to estimate the effect of alkaline metals on solubility. These metals enter the uranium-bismuth alloy from the melt of the salts, forming stable compounds with bismuth. Potassium and sodium increase the solubility of uranium in bismuth. Thus, when the K content in the alloy is 0.054 at. %, an increase of 10% is observed in the uranium solubility. When the K content is increased to 0.5 at. %, solubility is increased by 42%. Approximately the same increase in solubility was observed when 0.11 at. % K and 0.20 at. % Na were present in the alloy.

[JPRS: 37,111]

ORG: none

TOPIC TAGS: solubility, molten metal, uranium alloy, bismuth alloy

SUB CODE: 11, 07 / SUBM DATE: 29Jul65 / OTH REF: 002

Card 2/2- *oah*

BUKREYEV, YE. M.

Bukreyev, Ye. M. — "Investigation of the Processes of Loading, Packing, and Unloading in Rubbish-Carrying Machines." Acad Communal Economy imeni K. D. Pamfilov, Moscow, 1955 (Dissertation for Degree of Candidate of Technical Sciences).

SO: Knizhnaya Letopis', No. 23, Moscow, June, 1955, pp. 87-104.

*SUKREYEV, Ye. M.*

SIDOROV, Nikolay Vasil'yevich; SUKREYEV, Ye.M., kand.tekhn.nauk, red.;  
SHNEYEROV, S.A., red.izd-va; GUROVA, O.A., tekhn.red.

[Operation of electric clocks] Ekspluatatsiia elektrochasovykh  
ustroistv. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1958. 141 p.  
(Clocks, Electric) (MIRA 11:5)

BUKREYEV, Yevgeniy Mikhaylovich; DENISOV, Vasiliy Nikolayevich;  
KARABAN, Georgiy L'vovich; BEREZANTSEV, B.B., red.;  
YEVDOKILOVA, Ye.D., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Foreign machinery for city cleaning] Zarubezhnye mashiny dlia  
sanitarnoi ochistki i uborki gorodov. Moskva, Izd-vo M-va  
kommun. khozlestva RSFSR, 1961. 178 p. (MIRA 15:2)  
(Street-cleaning machinery)

HESSENOV, A.A., kand.tekhn.nauk; BUKREYEV, Ye.M., kand.tekhn.nauk,  
nauchnyy red. BOTOVA, Yu.P., red.

[Sand sampler for rapid filters of water-supply systems] Proboot-  
bornik dlia peska na skorykh fil'trakh vodoprovodov. 1959. 8 p.  
(Akademija kommunal'nogo khoziastva. Informatsionnoe pis'mo,  
no.4). (MIRA 14:1)  
(Water--Purification) (Filters and filtration)

BUKREYEV, Ye.M.

Determination of the principal design and the calculated parameters  
of trash trucks. Stor.nauch.rab. AKKH no.3:155-176 '60.  
(MIRA 15:4)  
(Motortrucks)

BUKREYEV, Yevgeniy Mikhaylovich; DENISOV, Vasiliy Nikolayevich;  
KARABAN, Georgiy L'vovich; BEREZANTSEV, B.B., red.;  
YEVDOKIMOVA, Ye.D., red. izd-va; LEKYUKHIN, A.A., tekhn.  
red.

[Foreign municipal sanitary engineering machinery] Zarubezhnye mashiny dlia sanitarnoi ochistki i uborki gorodov.  
Moskva, Izd-vo M-va kommun. khoz.RSFSR, 1961. 178 p.

(MIRA 15:10)

(Sanitary engineering—Equipment and supplies)

BUKREYEV, Ye.M., kand. tekhn. nauk

Present-day refuse collecting machinery in foreign countries.  
Nov. tekhn. zhil.-kom. khoz.: Blagoustr. gor. [no.1]:36-51 '61.  
(MIRA 18:5)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

MINAYEV-TSIKANOVSKIY, V.A.; BUKREYEV, Ye.M.; KORNOPELEV, A.S.

Basic trends in the design of high-capacity laundry equipment  
in foreign countries. Nauch. trudy AKKH no.32:135-153 '64.  
(MIRA 19:1)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

ZOLOTAVIN, V.L.; BUKREYEV, Yu.F.; TOLSTOV, L.K.; BEZRUKOV, I.Ya.

Photometric determination of sodium in pure vanadium pentoxide.  
Zhur. prikl. spektr. 2 no.5:461-462 My '65. (MIRA 18:7)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

ROSHCHUPKIN, D.V., kand. tekhn. nauk; BUKREYEVA, A.S., inzh.

Pear-shaped heads for a suction dredge. Transp. stroi. 13  
no. 5:66-68 My '63. (MIRA 16:7)

(Dredging machinery)

BUKREYEVA, D. P.

BUKREYEVA, D. P.: "Age changes in the maximum rate of movement in children from 7 to 16 years old". Moscow, 1955. Academy of Pedagogical Sciences RSFSR. Sci Res Inst of Physical Training and School Hygiene. (Dissertations for the degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

BUKREYEVA, D.P., nauchnyy sotrudnik; DEMINA, E.M., nauchnyy sotrudnik;  
POPOVA, N.M., nauchnyy sotrudnik.

Improvement of artificial illumination of school classrooms.  
Gig i san. 24 no.4:83-85 Ap '59. (MIRA 12:7)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii  
i gigiyeny imeni F.F. Krismana Ministerstva zdravookhraneniya RSFSR.

(SCHOOLS,

illumination (Rus))

(ILLUMINATION,

of schools (Rus))

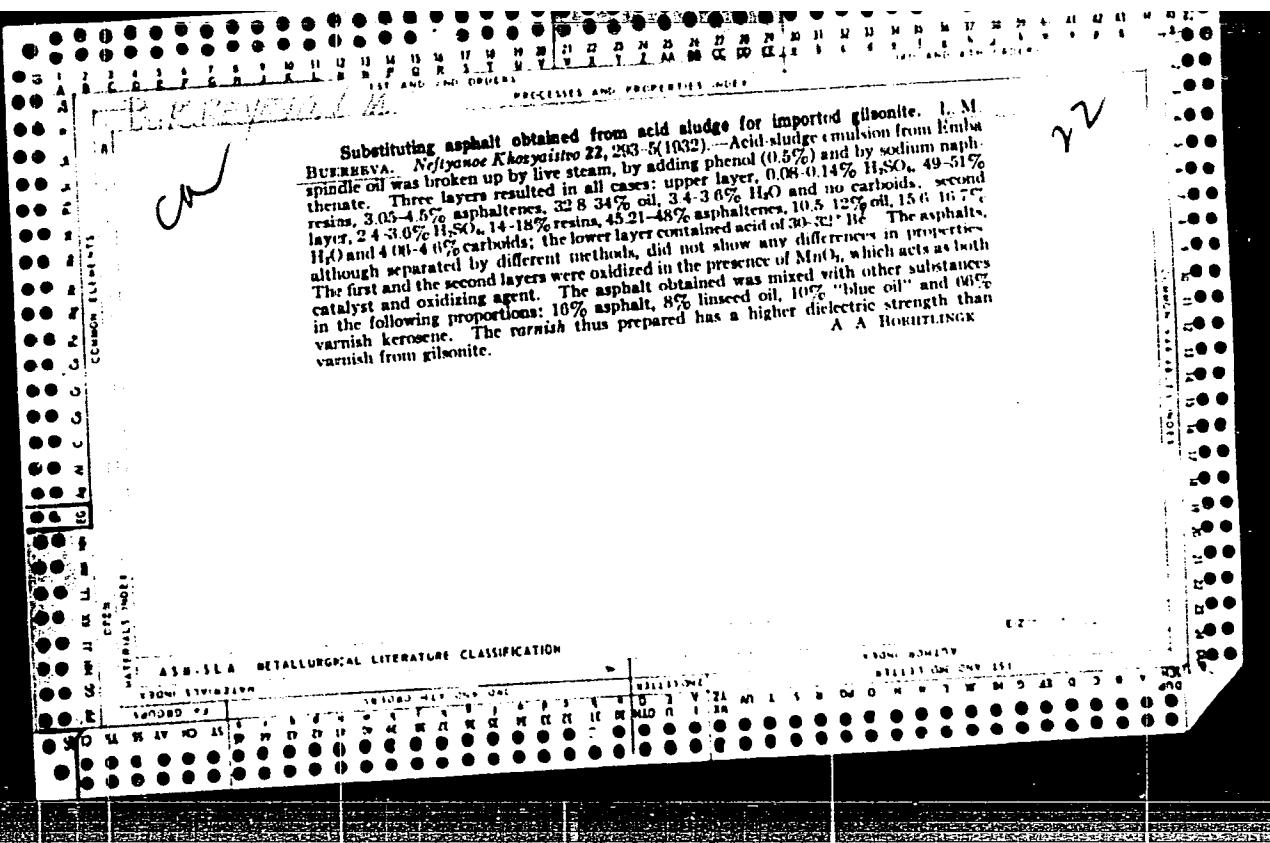
BUKREYEVA, D.P.

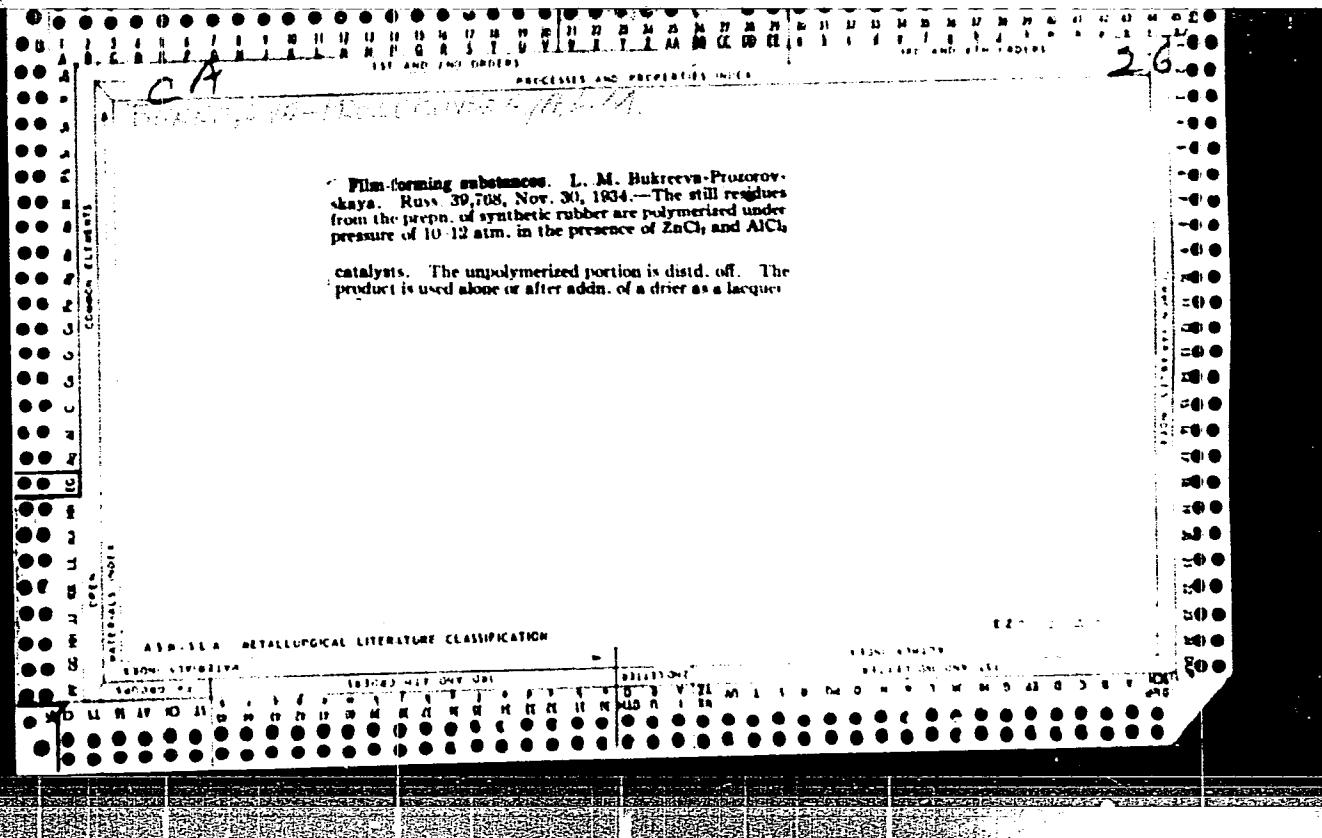
Investigation of muscular biocurrents in young athletes during  
repeated exercises for strength, speed, and endurance. Probl.  
vrach kontr. no.5:301-316 '60. (MIRA 14:3)  
(ELECTROMYOGRAPHY) (EXERCISE)

BUKREYEVA, D.P.; PERESENI, I.I.

Significance of motor task in rhythmical work of various strain,  
Fiziol. zhur. 51 no. 8:1005-1011 Ag '65, (MIRA 18:7)

1. Laboratoriya fiziologii truda Nauchno-issledovatel'skogo instituta  
fizicheskogo vospitaniya i shkol'nyy gigiyeny Akademii pedagogicheskikh  
nauk RSFSR, Moskva.





Be

B-2-1

Coefficient of distribution of acetaldehyde between butadiene and water during the washing of crude butadiene. L. M. BULGARINA-PANOVSKAYA and I. M. TIKHONOVICHNOVA (Sibirsk. Kaitsechuk, 1934, No. 1, 36-40).—The ratio of the amount of  $\text{CH}_3\text{CHO}$  (I) in the butadiene (II) to the amount in the  $\text{H}_2\text{O}$  increases with temp. and with decreasing concn. of (I) in (II). On. Ans. (r)

APPENDIX A: ALTERNATIVE LITERATURE CLASSIFICATION

**APPROVED FOR RELEASE: 06/09/2000**

CIA-RDP86-00513R000307420001-4"

*Co*

10

Obtaining ethyl acetate by means of contact decomposition of ethyl alcohol. L. M. Bakreeva-Provorovskaya and Z. S. Yanushewa. Sintez. Published 1936, No. 3, p. 16. AcOEt was obtained in accordance with the reactions (1)  $2\text{HIOH} \rightarrow 2\text{AcH} + \text{H}_2$  and (2)  $2\text{AcH} \rightarrow \text{AcOEt}$  in the presence of a binary catalyst composed of a dehydrogenated component "A" and condensed component "B" with the addn. of promoters "a, b and c" (their compns. are not given). The catalyst used was 30% "A," 10% "B" and 10% "b," temp. 280°, velocity of alc. run 7.5 cc. per hr., and the condensate obtained was of the following compn.: AcOEt 60.64, AcOH 3.6 and AcH 3.5%. The catalyst worked for 500 hrs. without decrease in activity. Six references. A. Pestoff

## A.I.R.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

SECOND EDITION

1950 EDITION

1950 EDITION

Production of synthetic glycerol. P. G. Sargeev, A. A.  
Vorozheikin, and L. M. Bukreeva. Khim. Nauka i Prom. 1,  
Synthesis of glycerol and of contemporary industrial materials  
of glycerol production, with an extensive bibliography.

Malcolm Anderson

3  
P.M.

Distr: 4E2c(j)/4E4j/4E3d

7  
isomerization of propylene oxide. P. G. Sergeev, L. M.  
Bukreev, and A. G. Polkovnikova. Khim. Nauka i Prom.  
2, 133(1957).—Using 70% Li<sub>2</sub>PO<sub>4</sub> instead of pure Li<sub>2</sub>PO<sub>4</sub>,  
and very short contact time (97.8% allyl ole., can be obtained  
from propylene oxide. The catalyst can be readily  
regenerated by blowing through it a mixt. of vapor and air  
at 150°C.

5  
2 may  
(3)

Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktsiev.

15415 K E 75 V H, L. M.

Distr: 4E43/

Glycerol P. G. Serein, L. M. Bulevskaya, and A. G. Pukovnikova, U.S.S.R. 107,762, Oct. 25, 1957. Glycerol is obtained by oxidation of allyl alc. with  $H_2O_2$  in the presence of  $H_2WO_4$ . For best results, an aq. soln. of allyl alc. is oxidized at ordinary temp. with  $H_2O_2$  to glycidol and the latter is saponified to glycerol by heating the soln. to 70°.

M. Hosch

BUKREYeva, L. M.

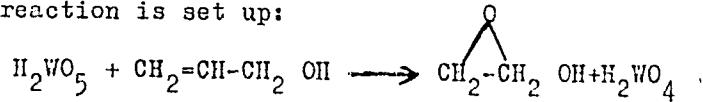
79-1-21/63

AUTHORS: Sergeyev, P. G. , Bukreyeva, L. M.

TITLE: The Reaction of Hydrogen Peroxide With Allyl Alcohol and Acrolein in the Presence of Tungstic Acid (Reaktsiya perekisi vodoroda s allilovym spirtom i akroleinom v prisutstvii vol'framovoy kisloty)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol.28, Nr 1, pp.101-105(USSR)

ABSTRACT: Papers devoted to the reaction of unsaturated compounds with hydrogen peroxide in the presence of catalysts were recently published. It is shown that the peroxide is added to the double bonds. The present paper investigated its conversions with allyl alcohol or acrolein in the presence of tungstic acid. With regard to allyl alcohol the following process of reaction is set up:



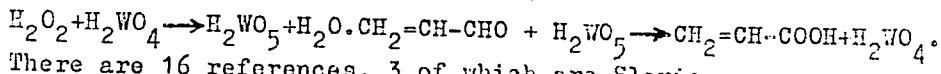
Card 1/3  $\text{H}_2\text{O}_2$  with tungstic acid forms pertungstic acid which latter

79-1-21/63

The Reaction of Hydrogen Peroxide With Allyl Alcohol and Acrolein in the Presence of Tungstic Acid

acts upon the double bond of allyl alcohol and forms glycidic alcohol.

The glycidic alcohol is then hydrated to glycerin. With acrolein the reaction exclusively takes place with the carbonyl group, where mainly acrylic acid is produced. When on that occasion the osmium anhydride (American patent of the firm Shell) is used instead of tungstic acid, another reaction takes place in which the peroxide is added to the double bond and the glycerin aldehyde is produced, which the authors try to explain by formulae with the process of reaction described. In contrast to it this process in the presence of tungstic acid takes place under the previous formation of pertungstic acid as oxidizing agent:



ASSOCIATION: Scientific Research Institute for Synthetic Alcohols and Organic Products (Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov)

Card 2/3

79-1-21/63

The Reaction of Hydrogen Peroxide With Allyl Alcohol and Acrolein in the  
Presence of Tungstic Acid

SUBMITTED: December 26, 1956

AVAILABLE: Library of Congress

Card 3/3      1. Chemistry    2. Tungstic acid    3. Allyl compounds    4. Hydrogen  
peroxide-Chemical reactions

SERGEYEV, P.G.; BUKREYEVA, L.M.; POLKOVNIKOVA, A.G.

Synthesis of allyl alcohol by isomerization of propylene oxide.  
Zhur. prikl. khim. 31 no.9:1415-1419 S '58. (MIRA 11:10)  
(Allyl alcohol) (Propylene oxide)

BUKREYEVA, N. Ye.

BUKREYEVA, N. Ye.

"Sugar Beet Root Quality in Relation to Growth Conditions."  
Cand Biol Sci, Inst of Botany, Acad Sci Kazakh SSR, Alma-Ata,  
1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

BUKREYeva, N.Ye.

[Ways of increasing yield and sugar content of sugar beets]  
Puti povyshenija urozhaja i sakharnosti sakharnoi svekly.  
Alma-Ata, Akad. nauk Kazakhskoi SSR, 1954. 27 p. (MIRA 10:4)  
(Sugar beets)

Bukreeva, NK

The quality of the sugar-beet root in dependence on the conditions of growth. N. E. Bukreeva. Izdat. Akad. Nauk Kazakh. S.S.R., Ser. Biol. 1955, No. 10, 100-17. P + K fertilization during the 2nd phase of vegetation is essential for the development of good quality sugar beet with a high sugar content. A predominant N supply and insufficient irrigation during this phase lower root quality. Traces of B and Mn are useful, but their effectiveness is rather low.

G. M. Kosolapoff

MD

Country : USSR

M

Category: Cultivated Plants. Commercial. Oil-Bearing.  
Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100397

Author : Dobrunov, L.G.; Bukreyeva, N.Ye.

Inst : Inst of Botany, AS Kazakh SSR

Title : Characteristics of the Growth and Quality  
Indicators in Sugar Beet Roots Under the  
Conditions of New Methods of Cultivation.

Orig Pub: Tr. In-ta botan. AN kazSSR, 1957, 5, 210-220

Abstract: A study of the square-pocket, square and  
drill sowings of sugar beets showed that with  
an increase in the bed, the vigor of the growth  
and physiological processes heighten: the  
intensity in the growth of the assimilative

Card : 1/3

M-124

Country : USSR

M

Category: Cultivated Plants. Commercial. Oil-Bearing.  
Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100397

surface of the leaves, and the weight of the blade and the petiole increase, the conditions of water supply in the plants improve, the concentration of cell sap becomes lower, photosynthesis intensifies and the chlorophyll content rises. During this, the mass of the root increases but its ripening is retarded, which leads to a lowering in the sugar content, an increase in the content of harmful N, insoluble pectins, and ash. Raising the quality of the roots is possible by means of efficient feeding and water supply. Under the conditions of the southern zone of beet growing in Kazakhstan,

Card : 2/3

Country : USSR  
Category: Cultivated Plants. Commercial. Oil-Bearing.  
Sugar-Bearing.

M

Abs Jour: RZhBiol., No 22, 1958, No 100397

the phosphoro-potassium nutrition of the beets should be intensified in the second half of vegetation together with an adequate supply of all nutrients, especially N, in the first half. In the pre-harvest period, it is necessary to reduce water supply in order to stop the growth of the leaves, but one should not permit their premature wilting. -- G. Yu. Dinesman

Card : 3/3

M-125

RUMANIA/Meadow Cultivation.

L

Abs Jour : Ref Zhur Biol., No 14, 1958, 63266

Author : Bukreyeva, T.

Inst : Stalingrad Agricultural Institute

Title : Germination Biology of the "Seeds" of the Agnus Cactus.

Orig Pub : Sb. nauchn. rabot. stud. Stalingr. s.-kh. in-ta, 1956,  
vyp. 2, 52-55

Abstract : Viability of the seeds of the agnus cactus changes during the years, or during a single year, depending upon the duration of their cultivation period. The optimal cultivation period should be considered to be from the end of October to the beginning of November. Stimulants affected only the young seeds of 1-5 months of storage.

Card 1/1

DRANITSYNA, Yu.A.; PIGULEVSKIY, G.V.; BUKREYEVA, T.V.

Coumarin compounds from fruits of *Archangelica decurrens* L.B.  
Zhur.prikl.khim. 38 no.11:2570-2575 N '65.

1. Submitted April 23, 1964.

(MIRA 18:12)

BUKREYEVA, Ye.I.; KANDYBA, I.M.

Educational and social by useful work of Katerinovskia students.  
Est.v shkole no.1:66-68 Ja-F '56. (MIRA 9:5)

1. Zaveduyushchaya kabinetom biologii i khimii respublikanskogo  
instituta usovershenstvoganiya uchiteley Moldavskoy SSR (for  
Bukreyev); 2. Uchitel' Katerinovskoy sredney shkoly Kamenskogo  
rayona Moldavskoy SSR (for Kandyba).  
(Community and school) (Agriculture--Study and teaching)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

BUKRINSKAYA, A. G.

BUKRINSKAYA, A. G.--"Role of Nucleonic Acids in the Biology of Medically-Stable Microbes."\*(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) First Moscow Order of Lenin Medical Inst, Moscow, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

\* For Degree of Candidate in Medical Sciences

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

GORBUNOVA, A.S.; GERNROSS, O.G.; GNORIZOVA, V.M.; BUKRINSKAYA, A.G.

Strains of the influenza D virus isolated in Vladivostok and  
their role in the etiology of the 1956 outbreak; preliminary report  
[with summary in English]. Vop. virus. 2 no.2:77-86 Mr-Ap '57.

(MLRA 10:6)

1. Institut virusologii Akademii meditsinskikh nauk SSSR, Moskva,  
i Primorskiy institut epidemiologii, mikrobiologii i gigiyeny,  
Vladivostok.

(INFLUENZA, epidemiol.  
D virus outbreak in Russia (Rus))

USR / Microbiology. Antibiosis and Symbiosis.  
Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76678.

Author : Nakhimovskaya, M. I.; Ostrovskaya, N. N.; Bukrin-  
skaya, A. G.

\* Inst : ~~Naukoved~~

Title : Effect of Penicillin on Several Actinomyces.

Orig Pub: Mikrobiologiya, 1957, 26, No 1, 87-91.

Abstract: The depressing effect of penicillin (I) on 6 strains of actinomyces innoculated in BPM appeared only during high concentrations - not less than 50 units per 1 ml - and was expressed either by a delay in the onset of growth or by an absence of growth. One actinomyces is sensitive to 50-60 units of I per 1 ml, while 500-600 units of I per 1 ml depressed all actinomyces, with the exclusion

\* I Moskovskiy Ordena LENINA MEDITSINSKIY INSTITUT.

Card 1/2

13

USSR / Microbiology. Antibiosis and Symbiosis.  
Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76678.

Abstract: of one strain of A<sub>1</sub> chromogenes, the growth of which was delayed 1-2 days by 1000-1500 units of I in 1 ml. The growth of actinomyces in the presence of I does not testify to their lack of sensitivity to antibiotics, but is explained by the disappearance of I from the retorts inoculated with actinomyces (in control uninoculated retorts, significant quantities of I were preserved during each test). I disappears before the beginning of the appearance of visible growth, and only in the presence of living cells. I is not indifferent to actinomyces. If I was preserved, actinomyces did not grow: sometimes the destruction of I was accompanied by the perishing of the cultivated material and by the absence of growth. The mechanism of the disappearance of I was not studied.  
-- M. I. Nakhimovskaya.

Card 2/2

BUKRINSKAYA, A.G.

Type D influenza virus cultivation in human embryonic tissues. Acta virol. Engl. Ed., Praha 2 no.4:208-219 Oct-Dec 58.

1. Experimental Influenza Laboratory, Institute of Virology, U.S.S.R.  
Academy of Medical Sciences, Moscow.  
(INFLUENZA VIRUSES, culture  
type D virus in human embryonic tissues)

BUKRINSKAYA, A.G.

Direct detection of the influenza virus in human embryo tissue cultures [with summary in English]. Vop.virus 3 no.3:162-165  
My-Je '58  
(MIRA 11:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA VIRUSES, culture  
direct detection of viruses in human embryo tissue  
cultures (Rus))

BUKRINSKAYA, A.G.

Effect of the tetracycline antibiotics on influenza virus D in  
human embryo lung tissue culture [with summary in English]. Vop.  
virus 3 no.6:333-337 N-D '58. (MIRA 12:1)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.  
(INFLUENZA VIRUSES, effect of drugs on,  
tetracyclines on influenza virus D in human lung  
tissue culture (Rus))  
(TETRACYCLINE, effects,  
on influenza virus D in human lung tissue culture (Rus))

BUKRINSKAYA, A.

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(MIRA 12:6)

(VIRUSES,

gammabsorption reaction of resp. tract viruses (Rus))

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Letter to the editor. Vop.virus. 4 no.5:624-625 S-O '59.

(VIRUSES)

(MIRA 13:2)

BUKRINSKAYA,A.G.

Cytopathic effect of type A2 influenza virus in tissue cultures  
of different susceptibility. Acta virol 4 no.3:146-149 My '60.

1. The Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical  
Sciences, Moscow.

(INFLUENZA VIRUSES,culture)  
(TISSUE CULTURE)

BUKRINSKAYA,A.G.; PAKTORIS,E.A.

An outbreak of pneumonia caused by type 1 haemadsorption virus.  
Acta virol. 4 no.3:184-186 My '60.

1. Ivanovsky Institute of Virology,U.S.S.R. Academy of Medical  
Sciences, Moscow.  
(PNEUMONIA,PRIMARY ATYPICAL,etiology)

BUKRINSKAYA, A.G.

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(MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.  
(INFLUENZA)

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

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of susceptibility on the formation of incomplete forms. Vop. virus.  
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(MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.  
(INFLUENZA)

BUKRINSKAYA, A.G.

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BUKRINSKAYA, A.G.

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propagation of the virus in tissue cultures of varying sensitivity.  
Vop. virus 5 no.4:446-449 Je-Ag '60. (MIRA 14:1)

1. Institut virusologii D.I.Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA)

BUKRINSKAYA, A.G.

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Vop. virus 5 no.4:449-456 Je-Ag '60. (MIRA 14:1)

1. Institut virusologiiimeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA) (ANTIGENS)

ZUYEV, V.A.; BUKRINSKAYA, A.G.

Electron microscope study of parainfluenza viruses. Vop. virus.  
5 no.4:490-492 Je-Ag '60. (MIRA 14:1)

1. Moskovskiy nauchno-issledovatel'skiy institut vaktsin i  
syvorotok imeni I.I.Mechnikova i Institut virusologii imeni D.I.  
Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA VIRUSES)

BURINSKAYA, A.G.

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some features of the serodiagnosis of parainfluenza diseases.  
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1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.  
(INFLUENZA)

BUKRINSKAYA, A.G., BLYUMENTAL, K.V.

"The role of para-influenza HA-2 virus in the etiology of pseudocroup  
in Moscow."

Report submitted for the 1st Intl. Congress on Respiratory Diseases of  
Virus and Rickettsial Origin. Prague, Czech. 23-27 May 1961.

BUKRINSKAYA, A. G.

"Fluorescent microscope study of incomplete sendai virus produced in tissue culture by the action of proflavin.

report submitted for the \* 1st Intl. Congress on Respiratory Tract Diseases of Virus and Rickettsial Origin, Prague Czech. 23-27 May 1961.

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Mechanism of the penetration of viruses into a cell. Facts and hypotheses. Vop. virus 6 no.4:416-418 Jl-Ag '61. (MIRA 14:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(VIRUSES)

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Autoradiographic study of the penetration of Sendai virus into the cells of tissue culture. Report No.1: Production of radioactive isotope-labelled preparations of Sendai virus. Vop. virus. 6 no.5: 542-546 S-0 '61. (MIRA 15:1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(VIRUSES) (AUTORADIOGRAPHY)

BUKRINSKAYA, A.G.; ZHDANOV, V.M.; RAMENENSKAYA, G.P.

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the cells of tissue culture. Report No.2: Use of virus preparations  
labelled with P32. Vop. virus. 6 no.5:547-552 S-0 '61.

(MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AN SSSR, Moskva i  
Institut morfologii zhivotnykh AN SSSR imeni A.N.Severtseva, Moskva.  
(VIRUSES) (AUTORADIOGRAPHY)

BUKRINSKAYA, A.G.; ZHDANOV, V.M.

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1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA) (TISSUE CULTURE)

BUKRINSKAYA, A.G.

"Autoradiographic studies of interaction of cirus particles with  
susceptible cells."

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BLYUMENTAL', K.V.; BUKRINSKAYA, A.G.

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(MIR: 15:3)  
1. Iz infektsionnogo otdela (zav. - prof. M.Ye. Sukhareva) kafedry  
pediatrii TSentral'nogo instituta usovershenstvovaniya vrachey  
(zav. - deystvitel'nyy chlen AMN SSSR prof. G.N. Speranskij) na  
baze bol'nitsy imeni I.V. Rusakova i Instituta virusologii imeni  
D.I. Ivanovskogo AMN SSSR.  
(CROUP) (INFLUENZA)

ZHDANOV, V. M.; BUKRINSKAYA, A. G.

Studies on the initial stage of virus-cell interaction. Acta virol.  
(Praha)[Eng]6 no.2:105-113 Mr '62.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(VIRUSES culture)

BUKRINSKAYA, A. G.; HO YUN-DE; GORBUNOVA, A. S.

Further investigations on the antigenic relationships between type 2 haemadsorption (Ha-2) and Sendai viruses. Acta virol. (Praha) [Eng] 6 no.4:352-356 Jl '62.

I. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(VIRUSES immunol) (ANTIGENS)

BUKRINSKAYA, A.G.; YERSHOV, F.I.; ZHDANOV, V.M.

Luminescence microscopic study of tissue cultures in the  
initial stages of the interaction with the Sendai virus.  
Vop. virus 7 no.1:18-22 Ja-F '62. (MIRA 15:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR,  
Moskva, i II Moskovskiy meditsinskiy institut imeni N.I.  
Pirogova.

(TISSUE CULTURE)  
(LUMINESCENCE)  
(INFLUENZA--MICROBIOLOGY)

BUKRINSKAYA, A.G.

Luminescence microscopic study of the formation of incomplete Sendai viruses in tissue cultures treated with proflavine. Vop. virus. 7 no.2:140-144 Mr-Ap '62.  
(MIRA 15:5)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(VIRUSES) (PROFLAVINE) (TISSUE CULTURE)

ZHDANOV, V.M.; AZADOVA, N.B.; BUKRINSKAYA, A.G.

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the fluorescent antibody method. Vop. virus. 7 no.2:162-167 Mr-Ap '62.

(MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(VIRUSES) (ANTIGENS AND ANTIBODIES)  
(TISSUE CULTURE)

ABELEV, G.I., kand. med. nauk; BUKRINSKAYA, A.G., kand. med. nauk;  
GEL'TSER, R.R., prof.; GOLINEVICH, Ye.M., prof.; ZHDANOV, V.M.,  
prof.; ZDRODOVSKIY, P.F., prof.; KALINA, G.P., prof.; KAULEN,  
D.R., kand. med. nauk; KIKTENKO, V.S., prof.; KRYLOVA, O.P.,  
kand. med. nauk; KUCHERENKO, V.D., kand. med. nauk; LOMAKIN,  
M.S., kand. med. nauk; MOSING, G.S., doktor med. nauk; PERSHINA,  
Z.G., kand. sel'khoz. nauk; PEKHOV, A.P., doktor biol. nauk;  
PESHKOV, M.A., prof.; TIKHONENKO, T.I., kand. med. nauk;  
TOVARNITSKIY, V.I., prof.; SHEN, R.M., prof.; ETINGOF, R.N.,  
kand. med. nauk; KALININA, G.P., prof., nauchnyy red. toma;  
ZHUKOV-VEREZHNICKOV, N.N., prof., otv. red.; VYGODCHIKOV, G.V.,  
prof., zamest. otv. red.; TIMAKOV, V.D., prof., zam. otv. red.  
BAROYAN, O.A., prof., red.; KALINA, G.P., red.; PETROVA, N.K.,  
tekhn. red.

[Multivolume manual on the microbiology, clinic, and epidemiology  
of infectious diseases] Mnogotomnoe rukovodstvo po mikrobiologii  
klinike i epidemiologii infektsionnykh boleznei. Moskva, Medgiz,  
Vol.2. [General microbiology] Obshchaya mikrobiologiya. Red. V.M.  
Zhdanov. 1962. 535 p. (MIRA 16:1)

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RUMANIA

V.M. JDANOV and Alla G. BUKRINSKAI, "Ivanovski" Virology Institute of the Academy of Medical Sciences, Moscow, USSR. [original name not given.]

"Interaction of Sendai Virus with Tissue Culture Cells."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963; pp 119-130.

Abstract [English summary modified]: Electron microscopy, p32 autoradiography and fluorescent antibody studies with Sendai virus, human amniotic and other cells. After virus contacts cells, hemagglutinin titer ratios with chick and guinea pig RBC changes, suggesting destruction of virus particles and appearance of free hemagglutinins. Extracts and cathepsins from tissues sensitive to virus in vitro have more virus-destructive and proteolytic activity than from non-sensitive tissues. Viral nucleic acid penetrates cell rapidly, reaching nucleoli within minutes; within an hour it is in the nucleus and perinuclear cytoplasm as shown by fluorescent antibody tagging. Two graphs; 12 electron & 6 light photomicrographs; 4 tables.

1/1

BUKRINSKAYA, A.G.; BLYUMENTAL', K.V.

Role of the para-influenza viruses in the etiology of pseudocroup.  
Vop.virus.7 no.5:567-572 S-0 '62. (MIRA 15:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR i  
TSentral'nyy institut usovershenstvovaniya vrachey, Moskva.  
(INFLUENZA--MICROBIOLOGY) (CROUP)

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Effect of actinomycin D and aurantin on the multiplication of  
some myxoviruses. Vop. virus 8 no.2:230-232 Mr-Apr'63

(MIRA 16:12)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

ZHDANOV, V.M.; ZBARSKIY, I.B.; BUKRINSKAYA, A.G.; RAMENSKAYA, G.P.

Study of the initial stage of interaction of Sendai virus with  
cells using the autoradiographic method. Bul. eksp. biol. i med.  
56 no.7:67-72 Jl'63 . (MIR# 17:3)

1. Iz laboratorii fiziologii virusov (zav. - deyствител'nyy  
chlen AMN SSSR V.M. Zhdanov) Instituta virusologii imeni D.I.  
Ivanovskogo (dir. - deyствител'nyy chlen AMN SSSR V.M. Zhdanov)  
AMN SSSR i laboratorii biokhimii kletochnykh struktur (zav. -  
doktor biologicheskikh nauk I.B. Zbarskiy) Instituta morfologii  
zhivotnykh imeni Severtsova (dir. - chlen-korrespondent AN SSSR  
prof. G.K. Khrushchev) AN SSSR, Moskva.

ZHDANOV, V.M.; BUKRINSKAYA, A.G.; RAMENSKAYA, G.P.

Localization of the intracellular synthesis of Sendai virus RNA.  
Vop. virus 8 no.5:564-568 S-0'63 (MIRA 17:1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR i Institut morfologii zhivotnykh imeni A.N. Severtseva AN SSSR, Moskva.

BUKRINSKAYA, A.G., doktor med. nauk

Intracellular reproduction and the informational function of  
viral nucleic acids. Virusy i virus. zabol. no.1:3-25 '64.  
(MIRA 18:2)

BUKRINSKAYA, A.G.; SMIRNOV, Yu.A.; TIKHONENKO, T.I.; KISELEV, P.L.

Purification and concentration of Sendai virus by chromatography on TEAE-cellulose. Acta virol. (Praha) [Eng.] 9 no.1: 92 Ja '65

1. The Ivanovsky Institute of Virology, U.S.S.R., Academy of Medical Sciences, Moscow.

BUKRINSKAYA, A.G.; GITEL'MAN, A.K.; VORKUNOVA, G.K.

Early proteins of myxoviruses. Vop. virus. 9 no.5: 569-575  
S.S.R. '64.  
(MIRA 18:6)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

**"APPROVED FOR RELEASE: 06/09/2000**

**CIA-RDP86-00513R000307420001-4**

**BUKRINSKAYA, A. G.**

"The reproduction of myxoviruses in the presence of actinomycin D."

report presented at 4th Intl Cong, Hungarian Soc of Microbiologists, Budapest,  
30 Sep-3 Oct 64.

Inst of Virology im D. I. Ivanovskiy, AMS USSR, Moscow.

**APPROVED FOR RELEASE: 06/09/2000**

**CIA-RDP86-00513R000307420001-4"**

BUKRINSKAYA, A. G.; AZADOVA, N. B.; GITEL'MAN, A. K.; VORKUNOVA, G. K.

"Nekotorye zakonomernosti reproduktsii rnk-miksovirusov."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Institut virusologii im D. I. Ivanovskogo AMN SSSR, Moskva.

UGOLEVA, N.A.; BUKRINSKAYA, A.G.; NOSACHEVA, A.D.

Nucleotide composition of ribonucleic acid in the Sendai virus  
(strain LM-1). Vop. med. khim. 10 no.5:550-552 S-0 '64.  
(MIRA 18:11)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

BUKRINSKAYA, A.G.; VORKUNOVA, G.K.

Reproduction of ribonucleic acid of the influenza virus in  
the presence of low concentrations of actinomycin D. Vop.  
virus. 9 no.6:657-661 N-D '64.

(MIRA 18:11)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

BUKRENSKAYA, A.G.; GITELMAN, A.K.; BURDUCHEV, D.; ABENI GUY-FAN [Jen  
Kwei-Fang]

Effect of histones on the reproduction of myxoviruses. Vop.  
virus. 10 no. 6:720-726 N-D '65 (MTRA 19:1)

NESTEROV, V.A., kand.med.nauk, BUKRINSKAYA, R.Kh.

Decrease in infant mortality in cities of Krasnodar Territory.  
Sov. zdrav. 17 no.6:38-40 Je '58 (MIRA 11:6)

1. Iz kafedry organizatsii zdravookhraneniya Kubanskogo  
meditsinskogo instituta (i.o. zav. - kand.med.nauk V.A. Nesterov)  
i iz nauchno-metodicheskogo byuro sanitarnoy statistiki (zav. R.Kh.  
Bukrinskaya) Krasnodarskogo krayzdravotdela.

(INFANT MORTALITY

decrease in Russia (Rus))

MAL'YSEV, B.K., kand. tekhn. nauk; BUKRINSKIY, A.M., kand. tekhn. nauk

I-s diagram for the combustion products of Saratov gas in the  
air with  $\alpha=1$  and consideration of dissociation. Teploenergetika  
12 no.2:93 F '65.  
(MIRA 18:3)

1. Vsesoyuznyy teplotekhnicheskiy institut.

RATNER, A.V., kand.tekhn.nauk; BUKRINSKIY, A.M., kand.tekhn.nauk

Calculation of cavitation modes in feed regulating fittings.  
Teploenergetika 12 no.10:41-43 0 '65. (MIRA 18:20)

1. Vsesoyuznyy teplotekhnicheskiy institut.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

BURKINSKIY, V. A.

"Geometrical Methods for studying the Displacement of the Central Region of the Donbass." Thesis for degree of Cand. Technical Sci. Sub 10 Oct 49, Moscow Mining Inst imeni I. V. Stalin.

Dissertations Presented for Degrees in Science and Engineering in Moscow in 1949.  
From Vechernyaya Moskva, Jan-Dec, 1949.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

BUKRINSKIY, V.A., dotsent, kandidat tekhnicheskikh nauk.

Errors on technical data for boreholes in prospecting mine  
fields of the Moscow Basin. Nauch. trudy MGU no.12:106-113  
'54. (MLRA 10:2)

(Moscow Basin--Prospecting) (Mine surveying)

BUKRINSKIY, V.A.; SLAVOROSOV, A.Kh.; RYZHOV, P.A., redaktor.

[P.K.Sobolevskii, founder of the science of mine geometry]  
Osnovopolozhnik geometrii nedr P.K.Sobolevskii. Pod red.  
P.A.Ryzhova. Moskva, Ugletekhizdat, 1954. 115 p. (MLRA 7:11D)

KULIKOV, Petr Kuz'mich; BUKRINSKIY, V.A., otvetstvennyy redaktor;  
SLOVOROSOV, A.Kh., redaktor izdatel'stva; ALADOVA, Ye.I., tekhnicheskiy redaktor

[Methods of exploring dislocations of strata] Metody poiskov smeshchennogo kryla plasta. Moskva, Ugletekhnizdat, 1956. 31 p.  
(Coal mines and mining) (MLRA 9:9)

BUKRIINSKIY, V.A.

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk;  
AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.;  
ANTROPOV, A.N., inzh.; ANANAS'YEV, B.L., inzh.; BERGMAN, Ya.V.,  
inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A.,  
kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV,  
B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A.,  
kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KAIMYKOV, G.S.,  
inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.;  
KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F.,  
prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.;  
LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K.,  
dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V.,  
inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik;  
NEKIPEROV, V.Ye., inzh.; PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N.,  
doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn.  
nauk; RASHKOVSKIY, Ya.E., inzh.; ROMANOV, V.A., prof., doktor tekhn.  
nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.;  
SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor  
khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-  
min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh.  
[deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOV-  
SKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A.,  
red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.;  
BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.;  
RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand.  
tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu.,  
inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor  
tekhn.nauk, red.

(Continued --)

ABRAMOV, S.K.--- (continued) Card 2.

ZDANOVICH, V.G., prof., doktor tekhn.nauk, red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.; SEMERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

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